

AMENDMENTS TO THE CLAIMS

1-5. (Cancelled)

6. (Currently Amended) An apparatus for generating an aggregation packet in a communication system, the apparatus comprising:

a buffer manager for storing a plurality of data packets; and

an aggregation module for receiving the plurality of data packets from the buffer manager and aggregating at least two data packets having a same destination address among the plurality of received data packets,

wherein a header of each of the at least two data packets includes length information and a destination address, and a header of the aggregated packet includes a destination address which is identical to the destination address included in the header of the at least two data packets~~A packet transmission apparatus for a communication system, comprising:~~

~~an upper layer device for providing Quality of Service (QoS) information and data rate information;~~

~~a lower layer device for providing channel status information of wireless stations; and~~

~~an aggregation module for creating an aggregation packet according to the information received from the upper and lower layers, and transmitting the created aggregation packet to a lower layer.~~

7. (Currently Amended) The apparatus of claim 6, wherein the at least two data packets have identical quality of service information~~The apparatus as set forth in claim 6, wherein the aggregation module includes:~~

~~a packet analyzer for constructing packets stored in a Queue in the form of a parameter according to channel status information of wireless stations and data rate information;~~

~~an aggregation analyzer for creating grouped packets using the constructed packets denoted by parameters and determining a multicast aggregation or a unicast aggregation according to a predetermined aggregation method; and~~

~~an aggregation packet generator for creating a multicast aggregation packet or a unicast~~

aggregation packet according to the determination of the aggregation analyzer.

8. (Currently Amended) The apparatus of claim 6, wherein the aggregated packet includes a data section corresponding to each of the at least two data packets, the data section preceding the corresponding data packet~~The apparatus as set forth in claim 7, wherein the packets having the same QoS information are grouped in one packet group.~~

9. (Currently Amended) The apparatus of claim 6, wherein the header of the aggregated packet further includes the length information of each of the at least two data packets~~The apparatus as set forth in claim 6, wherein the predetermined aggregation method is set to a multicast aggregation method for packets for use in wireless stations each having a reliable wireless channel status.~~

10. (Currently Amended) The apparatus of claim 9, wherein the length information is information about a data length of each of the at least two data packets~~The apparatus as set forth in claim 6, wherein the aggregation packet includes a control information field and a plurality of data fields,~~

~~wherein the control information field includes multicast address information and number information of aggregated data and each of the data fields contains destination address information, data length information, and data.~~

11. (Currently Amended) A method for generating an aggregation packet in a wireless communication system, the method comprising the steps of:

receiving a plurality of data packets;

aggregating at least two data packets having a same destination address among the plurality of received data packets; and

generating a aggregation packet by adding a header to the aggregated packet,

wherein a header of each of the at least two data packets includes length information and a destination address, and a header of the aggregation packet includes a destination address which is identical to the destination address included in the header of the at least two data

~~packets~~A data aggregation method for a wireless communication system, comprising:
collecting at least two data packets each having a data length; and
creating an aggregation packet from the at least two data packets, the aggregation packet
including information about the data length of each of the at least two data packets.

12. (Currently Amended) The method of claim 11, wherein the at least two data packets have identical quality of service information~~The data aggregation method of claim 17, further comprising adding a header to the aggregation packet, the header including a destination address of the aggregation packet.~~

13. (Currently Amended) ~~The data aggregation method of claim 17~~11, wherein the aggregation packet includes a data section corresponding to each of the at least two data packets, ~~said~~the data section preceding the corresponding data packet.

14. (Currently Amended) ~~The data aggregation method of claim 19~~11, wherein information about the data length of a data packet is included in the data section of a corresponding data packetthe header of the aggregation packet further includes the length information of each of the at least two data packets.

15. (Currently Amended) The method of claim 14, wherein the length information is information about a data length of each of the at least two data packets~~The data aggregation method of claim 20, wherein a destination address of a data packet is included in the data section of a corresponding data packet.~~

16-19. (Cancelled)